



WATER-RIGHT DOCKET

Curecanti National Recreation Area

Docket No: 1

ELK CREEK WELL.

Preliminary Docket Information

10-06-1995: memorandum, docket information ; october 06, 1995

October 6, 1995

L54(479)

Memorandum

To: Files

From: Mark Wondzell, Hydrologist, Water Rights Branch

Subject: Dockets, Curecanti National Recreation Area

The following wells (as of this date) have been abandoned, that is, they are currently inactive, the pumps have been removed, and the wells plugged:

1. CURE-0001 Elk Creek Well
2. CURE-0002 Beaver Creek Well
3. CURE-0004 Neversink Well
4. CURE-0005 Riverway Well
5. CURE-0007 Cooper Ranch Well
6. CURE-0008 East Cimarron Well

The following wells exist and are currently being used, however, there is no docket or other supporting material in the CURE dockets or in the resource room under the "State" or "Park" files:

1. Elk Creek Well Number 1
2. Elk Creek Well Number 2
3. Lake Fork Well
4. Iola Well ? (current status is unknown)
5. Gateview Well
6. Ponderosa Well

The following right is believed (by CURE staff) to exist, however, no supporting material/documentation can be found in the CURE dockets:

1. East Elk Creek - 1.85 cfs

The irrigation system at the Elk Creek Visitor Center and Campground uses water from East Elk Creek (via the Henry F. Ditch and Elk Creek Ditch) to revegetate and maintain high-use areas within the campground and to control prairie dog populations.

WATER RIGHT RECORD

Park: CURE

Docket Number:
Federal #1

IDENTIFICATION NO: CURE W A F O 1

DITCH/WATER SYSTEM: Blue Mesa Water Supply - Elk Creek

SOURCE OF SUPPLY: Well

LOCATION:

WATER RIGHT:

Appropriator: United States of America, National Park Service

Application/Permit Number:

Certificate Record Number:

Date of Priority:

Quantity of Water:

Purpose:

Irrigated Land Description:

SUMMARY OF STATUS: This is a Federal water right consisting of a 550 ft. well, pump, 200,000 gallon reservoir and distribution system.

Well started May 16, 1973 - Completed June 28, 1973

WRJ-26-72

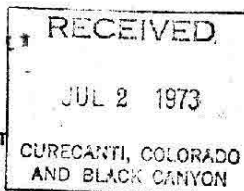
THIS FORM MUST BE SUBMITTED
WITHIN 60 DAYS OF COMPLETION
OF THE WORK DESCRIBED HERE-
ON. TYPE OR PRINT IN BLACK
INK.

DO RADO DIVISION OF WATER RESOURCES

101 Columbine Bldg., 1845 Sherman St.
Denver, Colorado 80203

WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 68522



WELL OWNER United States Nat'l Park Service % of the _____ % of Sec. _____
Elk Creek,
ADDRESS Curecanti National Rec. Area T. _____, R. _____, P.M. _____

DATE COMPLETED June 28 1973

WELL LOG

From	To	Type and Color of Material	Water Loc.
0	2	Soil Tan	
2	120	Metamorphic Black	
120	121	Quartz Pink	
121	162	Metamorphic Black	
162	163	Quartz Pink	
163	201	Gneiss Black & White	
201	202	Quartz Pink	
202	264	Gneiss Black & White	
264	265	Fractured Quartz Pink	
265	406	Gneiss & Quartz Intrusions Black & White Pink	
406	407	Quartz Pink	
407	436	Gneiss Black & White	
436	437	Fractures Quartz Pink	436
437	471	Gneiss Black & White	437
471	472	Quartz Fractures Pink	
472	487	Gneiss Black & White	
487	489	Quartz White	
489	501	Volcanic Finegrain Reddish	
501	529	Granite Black Pink	
529	530	Fractured Granite Brown Stain	529
530	533	Granite Pink	530
533	534	Fractured Granite Brown Stain	533
534	546	Granite Pink Stain	
46	547	Fractured Granite & Pink Quartz White	546
547	550	Rhyolite Brown Stain White	547
TOTAL DEPTH <u>550</u>			

Use additional pages necessary to complete log.

HOLE DIAMETER
8 in. from 0 to 18 ft.

6 1/8 in. from 18 to 550 ft.

_____ in. from _____ to _____ ft.

CASING RECORD: Plain Casing

Size 6 5/8 & kind Steel from +1 to 18 ft

Size _____ & kind _____ from _____ to _____ ft

Size _____ & kind _____ from _____ to _____ ft

Perforated Casing

Size _____ & kind _____ from _____ to _____ ft

Size _____ & kind _____ from _____ to _____ ft

Size _____ & kind _____ from _____ to _____ ft

GROUTING RECORD

Material Cement

Intervals 10 to 18

Placement Method Pour

GRAVEL PACK: Size _____

Interval _____

TEST DATA to 500 to 550

Date Tested 6/26/73 6/27/73, 19__

Static Water Level Prior to Test 200/200 ft

Type of Test Pump Air Compressor

Length of Test 1 hr/ 2 hrs

Sustained Yield (Metered) 4 gpm/40 gpm

Final Pumping Water Level 500/540

Other Supporting Information

(June 1962)		UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE		Order No. 6942-7214	
FACE SHEET FOR COMPLETION REPORT				Fund Symbol 417	
Park Gunnison NEA		Region RMR		Year Programmed 1973	
Location in Park Elk Creek		State(s) Colorado		PCP No.	
		County or Counties		Master Plan No.	
<input checked="" type="checkbox"/> Contract and/or <input type="checkbox"/> Day Labor		Gunnison		Master Plan Corrected By	
Work Order Title Irrigation well				Date Started May 16, 1973	
				Date Completed June 28, 1973	
DESCRIPTION OF FIXED ASSETS (For completion by employee in charge of project)				TOTAL COSTS (For completion by FFO)	
<p>Due to the fluctuation of Blue Mesa Lake the existing surface water intake failed. This project was for supervision and development of a new ground water system at the existing pumphouse by the USGS. The new supply is a six inch diameter well, 350 feet deep and it will produce 50 gpm.</p> <p>WFO-7a</p>					
TOTAL				\$ 1,500.00	
DISTRIBUTION		THE FIXED ASSET DESCRIBED ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AND AUTHORIZED CHANGES			
No.	To				
ig	Reg. Dir.	Submitted By: Richard W. Ketchum	Title: Super. Hyd. Eng.	Date: 7-7-75	
cy	Attn: Fin	Approved By: [Signature]	Title: Assoc. Regional Director	Date: 7/1/75	
cy	Prof Svcs		Title: Professional Services		
cy	Prop Div				
		COSTS VERIFIED	Title:	Date:	
		By: Marlene M. Keiderling	Title: Acctg. Supervy. Acctnt. I	Date: 7/1/75	

Blue Mesa Water Supply - Elk Creek

General

The area contains the following facilities: Three residences, one apartment building containing six living units, one visitor center, a utility building and equipment storage, a sanitary trailer dump station, a fish cleaning station, eight comfort stations, one concession building and floating marina. In addition to the above, water from the domestic system is used to sustain a fish pond and for irrigating approximately 115,000 square feet of landscaped grounds adjacent to the housing area and visitor center.

Water Supply

The water supply for the area is obtained from a 550 foot well, located approximately 1400 feet south of the visitor center on the hill overlooking the narrows, 23 feet north of the existing pump house. Elevation 7640.32.

This well was drilled by Glen Cole of Mountain Mesa Drilling Company, Bailey, Colorado. Completed June 28, 1973 at a cost of \$5690.80.

A pneumatic (air driven) type drilling rig was required to drill this well as it was in hard rock from the collar of the hole the full depth. It is cased to the 18 foot level with a 6 5/8 inch steel casing and pressure grouted. In order to circumvent major changes, the new well was plumbed, valved and connected into the existing intake. Accurate pump testing of this well was not possible with available equipment but a sustained yield of 40+ GPM was metered for a period of 2 hours.

A contract was negotiated with Kressler's Pump Service of Bailey, Colorado to install the pump, a submersible 10 HP Reda, and connect into the existing system at a cost of \$1348.05. This included all supplies and materials. Accepted 10-1-73.

The water is pumped through dual pressure sand filters, metered through a 1 1/2 inch Neptune (Triseal) meter, and chlorinated by a Wallace and Tiernan H741 gas-fed chlorinator prior to storage. The water is stored for distribution in a 200,000 gallon steel above ground reservoir located about 200 feet west of the present well site.

A bacterial sample was taken of the water before being treated and the test proved to be safe. Samples sent in for the chemical analysis have not been received at the time of this report.

At present this well is producing between 46 and 48 gallon per minute, continuous pumping.

Maps and Miscellaneous Information



Docket Compiled: 2/15/2011